

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2003/002244

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 G09F 11/23

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G09F, F16H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patent and applications for inventions since 1975, Korean Utility models and applications for Utility models since 1975,
Japanese Utility models and applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

KIPASS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 6-214509 A (GAKUYOUTOKIKOGYOKK) 5 AUG 1994 See page 2 line 41 - line 49	1, 11
A	KR 20-0257301 Y1 (Yon Yoo Seok ET AL.) 24 DEC 2001 See claim 1 See figure 3	1, 3, 11
A	KR 2002-0039448 A (LEDAT CO ET AL.) 27 MAY 2002 See claim 1, 4 See figure 2	1, 3, 11
A	KR 2000-0012359 U (DAEYOO CO ET AL.) 5 JUL 2000 See claim 1 See figure 2	1, 2, 11
A	US 6094849 A (James A. Philips) 1 AUG 2000 See abstract	1, 11

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 MARCH 2004 (13.03.2004)

Date of mailing of the international search report

15 MARCH 2004 (15.03.2004)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2003/002244

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 6-214509 A	05-08-1994	None	
KR 20-0257301 Y1	24-12-2001	None	
KR 2002-0039448 A	27-05-2002	None	
KR 2000-0012359 U	05-07-2000	None	
US 6094849 A	01-08-2000	None	